

113

1641

RAW SEQUENCE LISTING DATE: 05/15/2000
 PATENT APPLICATION: US/09/252,691B TIME: 11:54:25

Input Set : D:\Ecloacae.pto
 Output Set: N:\CRF3\05152000\I252691B.raw

4 <110> APPLICANT: Keith G. Weinstock et al.
 6 <120> TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROBACTER
 7 CLOACAE FOR DIAGNOSTICS AND THERAPEUTICS
 9 <130> FILE REFERENCE: 107196.135
 11 <140> CURRENT APPLICATION NUMBER: US 09/252,691B
 13 <141> CURRENT FILING DATE: 1999-02-18
 16 <160> NUMBER OF SEQ ID NOS: 11324
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 21 <212> TYPE: DNA
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 28 gcgtccgtgt ttatattatgt cgtggcgctg ttgttctgcc tgccgttgcgt cgtcttccgg 240
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 35 <211> LENGTH: 231
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Enterobacter cloacae
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 50 agcagccaga acaccacgag agacacaaaa accaccgggg cgacgcccgtt ccagaaagac 420
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 54 <211> LENGTH: 490
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 61 cacccggggcg gaggagaagg cgaaaggcca gaacctcgcc cggaaagcg 180
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 63 ggcgggtcaaa acgcgcggca agatccaggcg gcaaggatc caggacgggc agaaagcg 300
 64 cagtcaaggta aacgcgcgcg aggcaacgca gatcggcctc ggcacaccgg aagattcac 360
 65 acagattcat caggccgcca ggatggcaa gcccacata acctcgccca cttttaacgt 420

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141 acctttccct caaacccatg cccggaaaaag tcattttgt ctggttcgat gggcacacccg 600
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154 aaaacccctgg ggctgttgcg caccatgcgc ggcgcgtgt acggcgccgtt attgatgcag 300
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182	tatccggacg	cttacggggc	taaaggaaaa	ggccgtctaa	atccaccaggc	agccggaaag	300
183	ccacaaggc	gaggctcaga	ttaaacagcc	gctaattca	tccgttca	cgctaaact	360
184	caggcttatt	cgaatctgc	aagacgctt	gagggtatgg	gttcaactgg	acaagcaagg	420
185	gcgtatcaa	tagccacgca	ggttcacgca	tttagagatg	atgccttagc	caatccctca	480
186	gcacgtttga	atcaattccg	tttagcatta	cgtgcacgca	ctgtatgcgc	gtctaaatgg	540
187	gtttctcgt	acggtaaac	ggtatcaat	gcagaagggt	tatcaagctc	cttcggctgt	600
188	ctgttaa	cttccagggc	tttacatccc	acatggaaag	cgctccgtaa	gtgttgtgaa	660
189	acagggttag	ccgtgaagg	tgttaatctc	tctgtgtaa	ctgtctttaa	aggccaatcg	720
190	aaaatgtca	agacattcgc	ggctcagtcc	tctgaccaaa	tcggacaggg	tgtcaactgag	780
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192	acacaggact	tctaaagaa	tgtgtgtca	ttcggtpgt	ttcgtggct	tgatgctgaa	900
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207	ctggcgtgt	ttacgggtat	tgtgtccgg	gttaacgtca	tgtgggcgg	gccgacctcc	360
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233	ctgcggcga	caggccatc	ggctggcgt	gactacggcc	gccccgttcc	gttacttgc	60
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Input Set : D:\Ecloacae.pto
Output Set: N:\CRF3\05152000\I252691B.raw

L:51 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:51 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
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L:193 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:193 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:243 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:243 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
L:271 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:271 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:556 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:556 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
L:557 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:572 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:572 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:606 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16
L:606 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
L:636 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:636 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
L:665 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:665 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
L:719 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:719 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
L:811 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28
L:811 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
L:899 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:32
L:899 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32
L:969 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:36
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L:1572 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:72
L:1576 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:72
M:340 Repeated in SeqNo=72
L:1605 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:74
L:1605 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:74

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L:1656 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:75
L:1656 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:75
L:1885 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:88
L:1885 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:88
L:2096 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:100
L:2096 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:100
L:2113 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:101
L:2113 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:101
L:2161 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:102
L:2161 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:102
L:2189 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
L:2189 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:103
L:2190 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:103
M:340 Repeated in SeqNo=103
L:2363 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:113
L:2363 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113
L:2557 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:122
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L:2652 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
L:2652 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:127
L:2670 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
M:340 Repeated in SeqNo=127
L:2671 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:127
L:2822 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:134
L:2822 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:134
L:2854 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:135
L:2854 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:135
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L:3173 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:152
L:3173 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:152
L:3290 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3290 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:156
L:3292 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
M:340 Repeated in SeqNo=156
L:3293 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3294 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:156
L:3341 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:158
L:3341 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:158
L:3521 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
L:3521 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:160
L:3524 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
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L:3525 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:160
L:3694 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:161

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M:340 Repeated in SeqNo=161
L:4209 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:189
L:4226 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:190



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Indexing Officer: PPHANOHTHACHAT - PHANYAMOL PHANOHTHACHAT

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